

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE TEMPORARY TRAFFIC SIGNAL AT MD 210 (INDIAN HEAD HIGHWAY)/ SB I-95/I-495 OFF-RAMP (RAMP C) FOR STAGE IV CONSTRUCTION. INTERSECTION LIGHTING WILL BE PROVIDED AT THIS LOCATION. IT IS ASSUMED THAT MD 210 (INDIAN HEAD HIGHWAY) RUNS IN A NORTH-SOUTH DIRECTION. THE POSTED LIMIT IS 40 MPH.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA THREE-PHASE OPERATION, FULLY-ACTUATED MODE. MD 210 (INDIAN HEAD HIGHWAY) AND SB I-95/I-495 OFF RAMP (RAMP C) WILL OPERATE IN SEPARATE PHASES.

CONTROLLER REQUIREMENTS

MAINTAIN FULL-TRAFFIC-ACTUATED, SOLID STATE EIGHT-PHASE CONTROLLER WITH TELEMETRY MODULE, LOOP DETECTOR AMPLIFIER AND VIDEO TRAFFIC DETECTION SYSTEM HOUSED IN THE NEMA SIZE '6' POLE MOUNTED CABINET.

SPECIAL NOTE:

EXISTING POLE MOUNTED CONTROLLER CABINET INCLUDES NON-FUSED DISCONNECT SWITCH.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT 3 ARE:
MR. BRIAN YOUNG
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7358

MR. AUGUSTINE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
301-513-7350

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

THE CONTACT PERSONS FOR THE OFFICE OF TRAFFIC AND SAFETY ARE:
MR. RICHARD DAFF
DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SYNDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7631

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7652

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7676

THE POWER COMPANY REPRESENTATIVES ARE:

MR. RICHARD CHILCOAT
POTOMAC ELECTRIC POWER COMPANY - ELECTRIC SERVICE
301-967-5805

MR. JOE NICE
POTOMAC ELECTRIC POWER COMPANY - RELOCATIONS
202-388-2581

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE MDSA.
NOTE: NO EQUIPMENT IS TO BE SUPPLIED BY MDSA. ALL MATERIALS ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

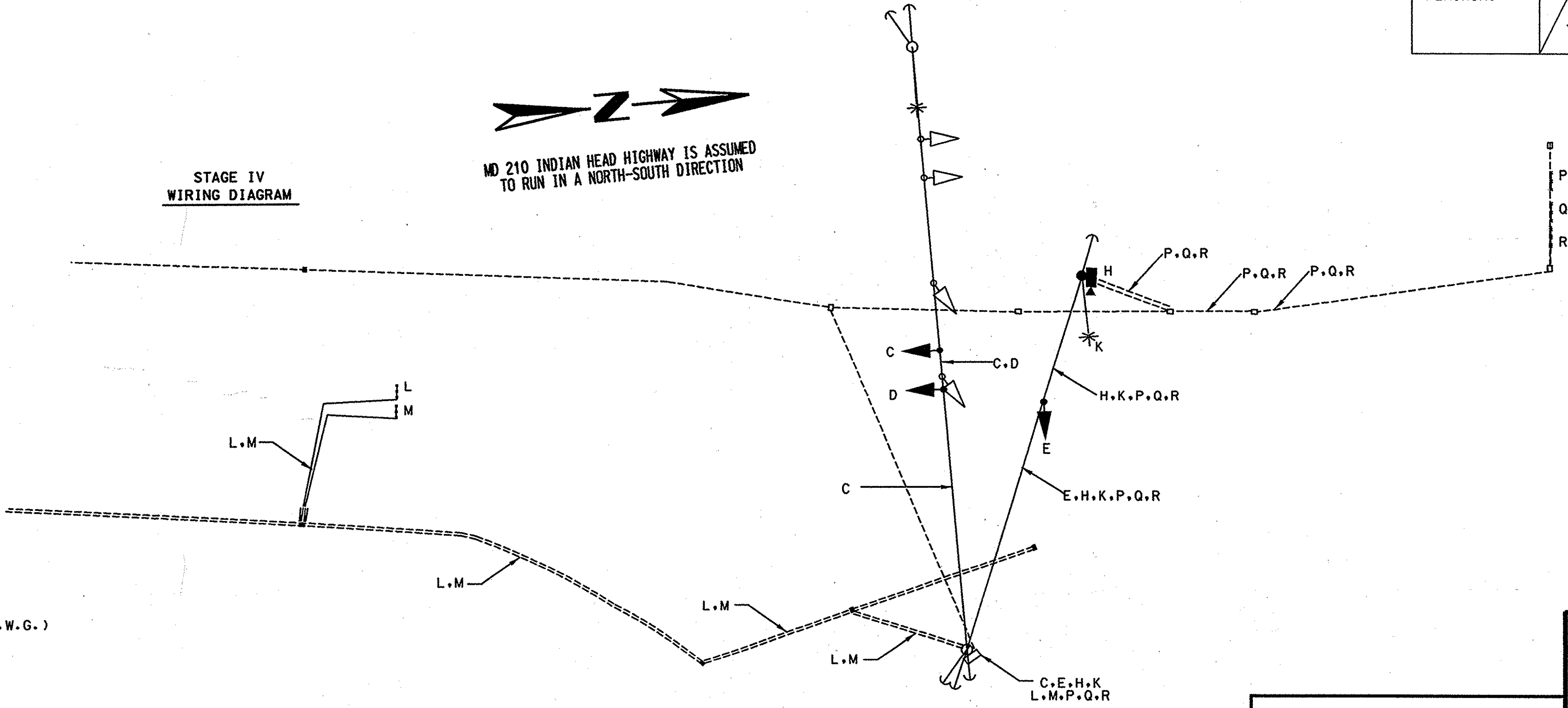
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CAT. CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
203030	1 CY	TEST PIT EXCAVATION
585624	70 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
811001	5 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
810555	2 EA	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
831010	1 EA	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
860272	3 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	90 LF	ELECTRICAL CABLE- 5 CONDUCTOR (NO. 14 AWG)
861116	160 LF	ELECTRICAL CABLE- 2 CONDUCTOR (NO. 12 AWG)
866104	1 EA	20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
869102	200 LF	STEEL SPAN WIRE 3/8-INCH DIAMETER
800000	1 LS	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT
805118	55 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805135	390 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
805050	2 EA	WEATHER HEAD, 3 INCH
800000	1 EA	40 FOOT TEMPORARY WOOD POLE

C. ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.
NOTE: NO EQUIPMENT IS TO BE RETURNED TO MDSA. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	
PHASE 2 & 6	G	G	G	G	R	R	R	←
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	→
PHASE 4	R	R	R	R	G	G	G	←
4 CHANGE	R	R	R	R	Y	Y	Y	→
FLASHING	FL Y	FL Y	FL Y	FL Y	FL R	FL R	FL R	←



WIRING LEGEND

- J-K - 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
- D-E - 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- C - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- H - VIDEO TRAFFIC DETECTION CONTROL CABLE (NO. 18 A.W.G.)
- L-M - NONINVASIVE DETECTOR LEAD-IN CABLE
- P-Q-R - REROUTED MICRO-LOOP LEAD-IN CABLE

NOTE:

UNCOIL EXCESS VIDEO TRAFFIC DETECTION CONTROL CABLE AND MICRO-LOOP PROBE LEAD-IN CABLE AND REROUTE TO THE EXISTING CONTROLLER CABINET.

COIL EXCESS NONINVASIVE DETECTOR LEAD-IN CABLE AND VIDEO TRAFFIC DETECTOR CABLE FOR RELOCATION IN FUTURE CONSTRUCTION PHASES.

NOT TO SCALE

GREENLINE NO. I
JUNE 23, 2007

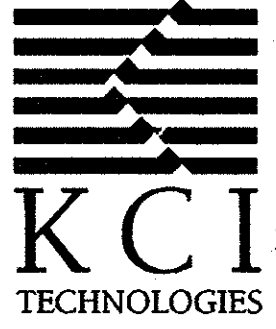
REDLINE NO. II
APRIL 9, 2007
NEW SHEET

SP-4D OF SP-23



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TEMPORARY GENERAL INFORMATION SHEET (STAGE IVE)
MD 210 INDIAN HEAD HIGHWAY AT SB I-95/I-495 OFF RAMP (RAMP C)



ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

DRAWN BY: A. HOTTENSTEIN
CHECKED BY: J. LAWRENCE
SCALE: NONE
DATE: 3/16/2007

F.A.P. NO. SEE TITLE SHEET
S.H.A. NO. PC5075173
COUNTY: PRINCE GEORGE'S
LOG MILE: 16021013.33

TS NO. 4373-GI-P4
T.I.M.S. NO. E149

SHEET NO. 284D OF 402